

Abstract of the Disclosure

Planishing or stress relief in a
welded joint (34) is accomplished with a hammer
(12) and a backing bar (26). The hammer is
5 applied on a first side (1) to a first surface
(31) of the structure (30). To indicate the
proper position of the backing bar, a first
magnet (20; 320) is associated with the hammer,
10 and a magnetic sensor arrangement (24; 224;
300) is located on the other side (2) of the
structure. In one embodiment, the sensor
arrangement is a second magnet (24) which is
held in place by the magnetic field (40) of the
first magnet. In a second embodiment, the
15 sensor includes a line array (262) of
individual sensors, each associated with an
indicator of a line array (264) of indicators.
In a third embodiment, the sensor includes a
line array (300) of two magnetic sensors, which
20 are coupled to a differential indicator (324).